|     | Index of Claims                        |          |              |                     |                 |         |        |          |           |             |            |     |          | Application/Control No. |       |             |            |              |              |                 |           |          |           | Applicant(s)/Patent under |                 |           |        |              |          |          |           |                 |        |
|-----|--|----------|--------------|---------------------|-----------------|---------|--------|----------|-----------|-------------|------------|-----|----------|-------------------------|-------|-------------|------------|--------------|--------------|-----------------|-----------|----------|-----------|---------------------------|-----------------|-----------|--------|--------------|----------|----------|-----------|-----------------|--------|
|     | · Index of Claims                      |          |              |                     |                 |         |        |          |           |             |            |     |          | 40                      | 70.   | 4 4         | <b>~</b> c |              |              |                 |           |          |           | Reexamination             |                 |           |        |              |          |          |           |                 |        |
|     |  |          |              |                     |                 |         |        |          |           |             |            |     |          | -                       | Ex:   | /701<br>ami | nei        | <u>6</u>     |              |                 |           |          |           | _                         | MORIN ET AL.    |           |        |              |          |          |           |                 |        |
|     |  |          |              |                     |                 |         |        |          |           |             |            |     |          |                         |       |             |            |              | 3et          | bre             | arian     | n        |           | 2811                      |                 |           |        |              |          |          |           |                 |        |
|     |  |          | _            | <del></del>         |                 | _       | 一<br>つ |          | _         | <del></del> |            | _   | _        | <u> </u>                |       |             | —<br>¬     | _            |              | _               | <u> </u>  | _        |           | ``<br>1                   | _               |           |        |              |          |          |           |                 |        |
|     | √ Rejected – (Through numera Cancelled |          |              |                     |                 |         |        |          |           |             |            |     |          |                         | :rai  | )<br>—      |            | N            | N            | Non-Elected     |           |          |           | A                         | Appeal          |           |        |              |          |          |           |                 |        |
|     | = Allowed                              |          |              |                     |                 |         |        |          | ·         |             | Restricted |     |          |                         |       | ] [י        |            |              | Interference |                 |           | Objected |           |                           |                 |           |        |              |          |          |           |                 |        |
|     | Cla                                    | aim      | 工            | _                   | <u>—</u>        | -Di     | ate    |          | _         | Claim       |            |     | <u> </u> | Dat                     | e     | <u> </u>    |            |              |              | Claim           |           |          | _         | Date                      |                 |           |        | _            | _        | ]        |           |                 |        |
|     | - a                                    | <u>a</u> | 3            | ] ]                 |                 |         |        |          |           |             | -          | 1.  | ē        |                         |       |             | T          | T            |              |                 |           |          | -         | <u>ag</u>                 | П               |           |        | T            | T        | Γ        | Π         |                 |        |
|     | Final                                  | Original | 1/28/03      |                     |                 |         |        |          |           |             | Final      |     | Original |                         |       |             |            |              |              |                 |           |          | Final     | Onginal                   |                 |           |        |              |          |          |           |                 |        |
|     |  | 1        | ×            | H                   | 廿               | $\pm$   | 士      | 上        | 士         | H           |            | + 5 | 51       | $\pm$                   | +     | $\pm$       | +          | +            | H            | Н               | Н         |          | $\vdash$  | 101                       | Н               | +         | +      | +            | ┼        | ╀        | ╁         | $\vdash$        |        |
| 1   | <u> </u>                               | 1        | $\prod$      | $\Box$              | 耳               | 7       | 干      | F        | F         | $\Box$      |            | 5   | 52       | 丰                       | $\mp$ | $\mp$       | 丰          | F            |              | 口               | $\Box$    |          |           | 102                       | П               | 7         | 丰      | #            | #        | 丰        | 二         |                 |        |
|     |  | 1        | 世            |                     | 士               | 士       | 十      | +        | $\vdash$  | H           |            | 5   | 54       | +                       | +     | 十           | +          | $\vdash$     | Н            | Н               | Н         |          | $\vdash$  | 103                       | H               | +         | +      | +            | +        | ╀        | ╀         | -               |        |
|     |  | 1        | $\mathbf{T}$ | $\Box$              | 耳               | 工       | 丰      | 丰        | 匚         |             |            | 5   | 55       | 丰                       | #     | #           | 丰          | 匚            |              | 口               | $\square$ |          |           | 105                       | 口               | $\exists$ | 丰      | 工            | 上        | 上        | 匚         |                 |        |
|     |  | H        | ₩            | $\vdash$            | $\vdash \vdash$ | +       | +      | ╀        | ╀         | Н           | $\vdash$   |     | 56<br>57 | +                       | +     | +           | +-         | ╀            | Н            | Н               | Н         |          |           | 106<br>107                | ₩               | +         | +      | +            | +        | $\vdash$ | $\vdash$  |                 |        |
| . ! |  | 8        | 世            |                     | 士               | 士       | 士      | 士        |           | H           |            | 5   | 8        | $\pm$                   | +     | +           | +          | $\vdash$     | Н            | $\vdash \vdash$ | H         |          | $\square$ | 108                       | $\vdash$        | +         | +      | +            | 十        | 十        | 十         | $\vdash$        |        |
| ļ   |  | 1        | 1            | $\Box$              | $\dashv$        | 7       | 工      | I        | 匚         | П           |            | 5   | 59       | 工                       | Ţ     | #           | 工          | 匚            | $\Box$       | 口               | 口         |          |           | 109                       | 口               | 耳         | 工      | 丰            | 工        | 上        | 匚         |                 |        |
|     | $\vdash$                               | 10       | A            |                     | -               | +       | +      | +        | ╀         | Н           | <u> </u>   |     | 50<br>51 | +                       | +     | +           | +          | ╀            | Н            | -               | Н         |          | $\vdash$  | 110<br>111                | $\vdash$        | +         | +      | +            | ╀        | ╀        | ╀         | $\sqcup$        | İ      |
|     |  | 12       | N.           | 口                   | 士               | 士       | 士      | 士        | t         | H           |            |     | 2        | 士                       | 士     | t           | +          |              |              |                 |           |          |           | 112                       | $\vdash$        | +         | +      | +            | +        | $\vdash$ | $\vdash$  | $\vdash$        |        |
| ļ   |  | 13       |              | $\Box$              | $\exists$       | 工       | 工      | I        |           |             |            |     | 3        | 工                       | I     | 丰           | 二          |              |              | $\Box$          |           | j        |           | 113                       | $\Box$          | 耳         | 工      | 工            | 工        | 匚        | 二         |                 |        |
|     | $\vdash$                               | 14       | ₩            | $\vdash \vdash$     | $\dashv$        | +       | +      | ╀        | ╀         | H           | $\vdash$   |     | 54       | +                       | +     | +           | +          | ╀            | Н            | $\dashv$        | H         |          |           | 114<br>115                | $\vdash \vdash$ | $\dashv$  | +      | +            | $\perp$  | $\vdash$ | igapsilon | Ц               |        |
|     |  | 16       | #            | $\Box$              | $\pm$           | +       | +      | 十        | -         | H           | -          |     | 6        | +                       | 十     | +           | +          | $\vdash$     | Н            | $\dashv$        | $\dashv$  | - 1      |           | 116                       | $\vdash$        | +         | +      | 十            | +        | 十        | $\vdash$  | H               |        |
|     |  | 17       | $\Box$       | $\Box$              | 工               | 1       | 工      | I        |           |             |            | 6   | 7        | 工                       | I     | 工           | 工          |              |              | $\Box$          | $\Box$    |          |           | 117                       | 口               | 7         | 丰      | 工            | 上        | 上        |           |                 | •      |
|     |  | 18       | ₩            | H                   | +               | +       | +      | +        | $\vdash$  | Н           | -          |     | 9        | +                       | +     | +           | +-         | <del> </del> | Н            | $\dashv$        | H         |          | $\dashv$  | 118<br>119                | ┦               | +         | -      | +            | ╀        | ╀        | 1         | $\sqcup$        |        |
|     | E                                      | 20       | H            | 口                   | 士               | 1       | 士      | 士        |           | H           | <u> </u>   | 7   | 0        | 士                       | +     | 士           | +          |              | $\Box$       | $\Box$          | $\dashv$  | Ì        |           | 120                       | $\vdash$        | +         | +      | 十            | +        | $\vdash$ | H         | Н               |        |
|     |  | 21       |              | $\Box$              | 二               | 工       | 工      | 厂        | $\Box$    |             |            |     | 1        | 丰                       | Ţ     | 工           | 工          |              |              | $\Box$          | $\Box$    |          |           | 121                       | $\Box$          | ユ         | 工      | 工            | $\top$   | L        |           |                 |        |
|     | $\vdash$                               | 22<br>23 | ₩            | $\vdash \downarrow$ | +               | +       | +      | ╀        | $\vdash$  | H           | <u> </u>   |     | 3        | +                       | +     | +           | ₩          | $\vdash$     | Н            | $\dashv$        | $\dashv$  | 1        |           | 122<br>123                | $\vdash$        | +         | +      | ╀            | ╀        | ╄        | $\vdash$  | Н               |        |
| ł   |  | 24       | ##           | $\vdash$            | +               | +       | +      | 十        | H         | H           | $\vdash$   |     | 4        | 十                       | 十     | 十           | +-         | Н            | Н            | $\dashv$        | $\dashv$  | 1        | -         | 123                       | $\vdash$        | +         | +      | 十            | 十        | $\vdash$ | $\vdash$  | Н               |        |
|     |  | 25       | $\Box$       | 口                   | 工               | 丰       | 工      | 匚        |           |             |            | 7   | '5       | 丰                       | 工     | 土           | $\Box$     |              |              | $\Box$          |           | 1        |           | 125                       |                 | 士         | 士      | 上            | 上        | 上        | 匚         |                 |        |
|     | _4                                     | 26<br>27 | 4            | $\vdash$            | +               | +       | +      | ╀        | $\sqcup$  | Н           | <u> </u>   |     | 7        | +                       | +     | +           | 1          |              | H            | $\dashv$        | $\exists$ | Į        | $\dashv$  | 126                       | $\Box$          | $\dashv$  | 7      | Ţ            | L        | F        | L         | П               |        |
| ŀ   |  | 28       | #            | $\vdash$            | +               | 十       | 十      | $\vdash$ | Н         | H           | -          |     | 8        | 十                       | +     | 十           | +          | $\vdash$     | $\vdash$     | +               | $\dashv$  | 1        | $\dashv$  | 127<br>128                | $\vdash$        | +         | +      | +            | +        | ╀        | $\vdash$  | Н               |        |
|     |  | 29       | Ш            | 二                   | 工               | 土       | 土      | 上        |           |             |            | 7   | 9        | 土                       | 土     | 土           | 上          |              |              | $\exists$       | ゴ         |          |           | 129                       | 口               | 土         | 士      | 上            | 上        | 世        |           | $\Box$          |        |
|     | $\rightarrow$                          | 30       | Ш            | $\dashv$            | $\dashv$        | 1       | 工      | 匚        | $\square$ | П           |            | 8   |          | 工                       | Ţ     | T           | $\perp$    |              | $\Box$       | $\dashv$        |           | - [      |           | 130                       | $\Box$          | 工         | 工      | I            | oxdot    |          |           |                 |        |
| ł   | -                                      | 31<br>32 | 4            | $\vdash$            | +               | +       | +      | ╁        | Н         | H           | -          | 8   | 2        | +                       | +     | +           | +          | Н            | $\vdash$     | +               | $\dashv$  | -        |           | 131<br>132                | $\vdash$        | +         | +      | +            | ╀        | ╀        | Н         | $\vdash$        |        |
| Ì   |  | 33       |              | 7                   | 十               | +       | +      | $\vdash$ | Н         | H           | $\vdash$   |     | 3        | 十                       | 十     | 十           | +-         | $\vdash$     | $\vdash$     | $\dashv$        | $\dashv$  | ŀ        |           | 133                       | $\vdash \vdash$ | +         | +      | +            | $\vdash$ | $\vdash$ | $\vdash$  | Н               |        |
| . [ |  | 34       | П            | 耳                   | 工               | 工       | 工      | 匚        |           |             |            | 8   | 4        | 工                       | 工     | 工           | 口          |              | $\Box$       | コ               | $\exists$ |          |           | 134                       | 口               | コ         | 工      | 工            | 上        |          |           |                 |        |
| ·   |  | 35       | H            | $\dashv$            | +               | +       | +      | ╨        | $\sqcup$  | H           | -          | 8   |          | +                       | +     | +           | ╨          | Н            | $\dashv$     | 4               | $\dashv$  | -        |           | 135                       | $\vdash$        | +         | +      | $\downarrow$ | ₽        | L        | Ц         | Щ               | :<br>I |
| ł   | -                                      | 36<br>37 |              | $\dashv$            | +               | 十       | +      | $\vdash$ | Н         | $\dashv$    | $\vdash$   | 8   |          | 十                       | +     | 十           | +-         | -            | H            | +               | $\dashv$  | }        |           | 136<br>137                | $\vdash$        | +         | +      | 十            | $\vdash$ | $\vdash$ | Н         | $\vdash \vdash$ | ı      |
|     |  | 38       | Ž            | コ                   | 土               | 士       | 士      | 世        |           |             |            | 8   | _        | 士                       | 士     | 士           |            |              | 口            | $\exists$       | ゴ         | t        |           | 138                       | 口               | 士         | 士      | 士            |          |          | $\vdash$  | Н               | :      |
| 7   | $\exists$                              | 39       | П            | 耳                   | 了               | Ŧ       | 工      |          | П         |             |            | 8   |          | 工                       | T     | I           | $\Box$     |              | $\Box$       | $\exists$       | $\exists$ | Ī        |           | 139                       | $\Box$          | 丰         | 丰      | I            | $\Box$   |          |           | $\Box$          |        |
| .   | -+                                     | 40<br>41 | H            | +                   | +               | +       | +      | ₽        | Н         | $\vdash$    | -          | 9   |          | +                       | ╀     | +-          | ₩          | Н            | $\dashv$     | +               | $\dashv$  | 1        |           | 140                       | -+              | +         | +      | ╀            | ╀        | H        | Н         | H               | l .    |
| t   | $\exists$                              | 42       |              | $\perp$             | 士               | $\pm$   | 七      |          | $\Box$    |             |            |     | 2        | t                       | †_    | 七           | $\vdash$   | $\vdash$     |              | 十               | $\dashv$  | ł        |           | 142                       | $\dashv$        | +         | +      | 十            | +        | H        | Н         | H               | i      |
| Į.  | $\Box$                                 | 43       | $\Box$       | 耳                   | 工               | 工       | 工      |          |           |             |            | 9   | _        | 工                       | I     | 工           | $\square$  |              | $\Box$       | コ               | $\Box$    |          |           | 143                       |                 | 工         | 工      | 工            |          |          |           |                 |        |
| }   |  | 44<br>45 | $\vdash$     | +                   | +               | +       | +      | ₽        | dash      | $\dashv$    | $\vdash$   | 9   | 4        | +                       | +     | +           | ╁┵         | Н            | $\dashv$     | +               | $\dashv$  | 1        |           | 144                       | -+              | 4         | 4      | $\vdash$     | $\vdash$ | $\sqcup$ | $\square$ | $\dashv$        |        |
| t   | -                                      | 46       | H            | $\dashv$            | +               | 十       | +      | $\vdash$ | H         | $\dashv$    | $\vdash$   | 9   |          | +                       | +     | +           | H          | Н            | $\dashv$     | +               | $\dashv$  | ł        |           | 146                       | $\dashv$        | +         | ╁      | +            | $\vdash$ | H        | H         | Н               |        |
|     | $\Box$                                 | 47       |              | 二                   | 土               | 土       | 土      | $\Box$   | □         | コ           |            | 9   | 7        | 工                       | 上     | 土           |            |              |              | ユ               | ゴ         | t        |           | 147                       |                 | 士         | 土      | T            |          |          | Н         | 口               |        |
| l   |  | 48       |              | $\Box$              | $\Box$          | $\perp$ |        |          |           |             |            | 9   | 8        | $\perp$                 | T     |             |            | П            | П            | $\Box$          | $\Box$    | Γ        | $\Box$    | 148.                      | П               | Т         | $\top$ | Т            | П        | Г        |           | П               |        |